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**CIRCULARITY IN INTEGRATED SYSTEMS:  
RESOURCE RECOVERY FOR FEED, FUEL AND (ORGANIC)  
FERTILIZER SELF-SUFFICIENCY IN ETHIOPIA**

**BRIEF PRESENTATION ON CASE STUDY (2) IN ETHIOPIA**

**GEZAHEGN BERECHA (PHD, PROFESSOR)**

***PROJECT KICK OFF – WORKSHOP***

***2 MARCH 2023***

- JU is located in SW part of Ethiopia 350 Km away from the capital city
- One of the top ranked public university in the country
- Pienaar in community based education
- Has 69 years old college of Agriculture established in 1952
- Agricultural research and education in Ethiopia started at college of Agriculture



## Jimma University (JU)



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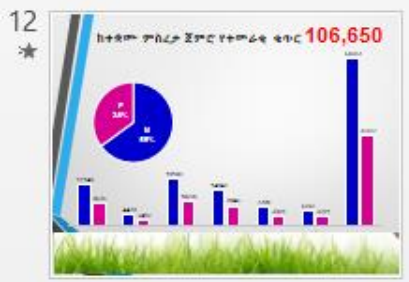
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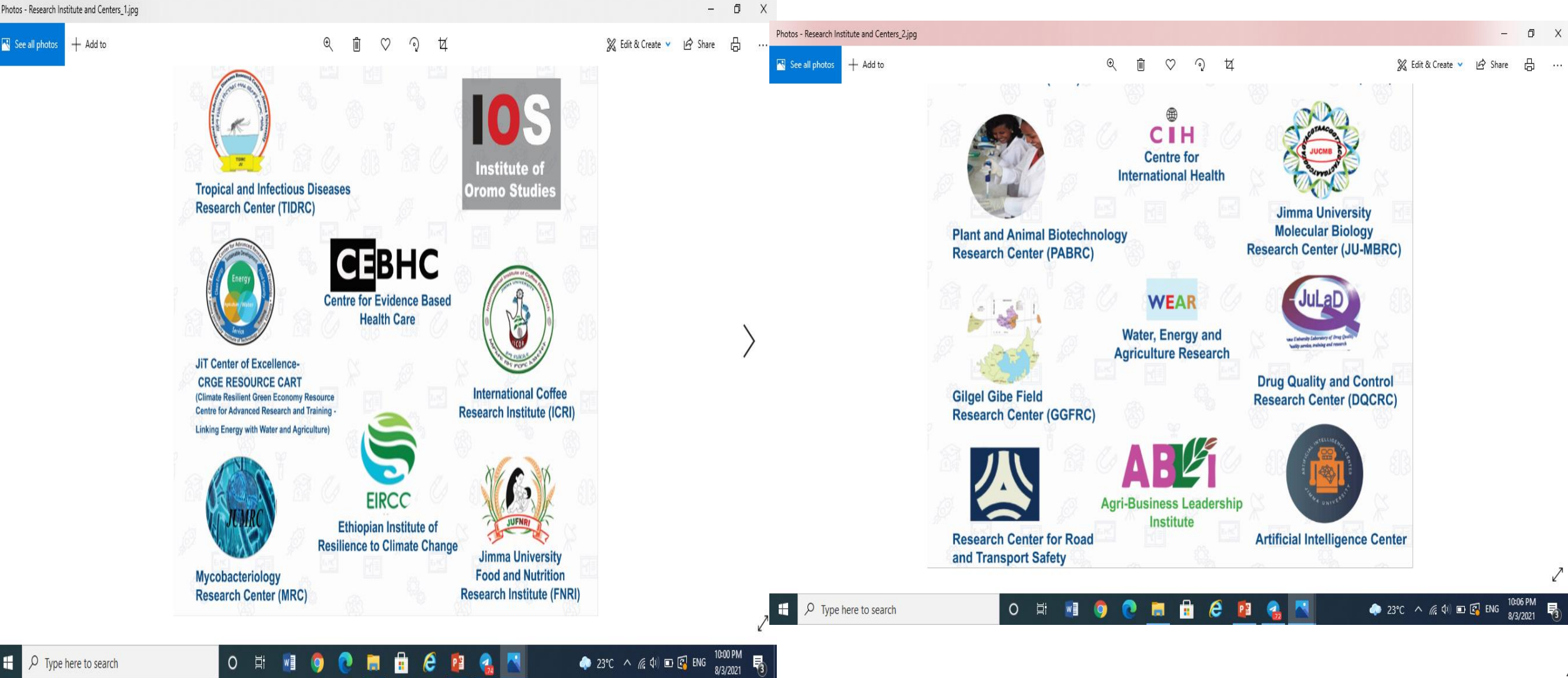


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Student Population 36191



# RESEARCH INSTITUTES/CENTERS OF JU



# Partnership and networking

JU in Brief & SP process.pptx - PowerPoint (Product Activation Failed)

FILE HOME INSERT DESIGN TRANSITIONS ANIMATIONS SLIDE SHOW REVIEW VIEW

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SLIDE 28 OF 55 ENGLISH (UNITED STATES)

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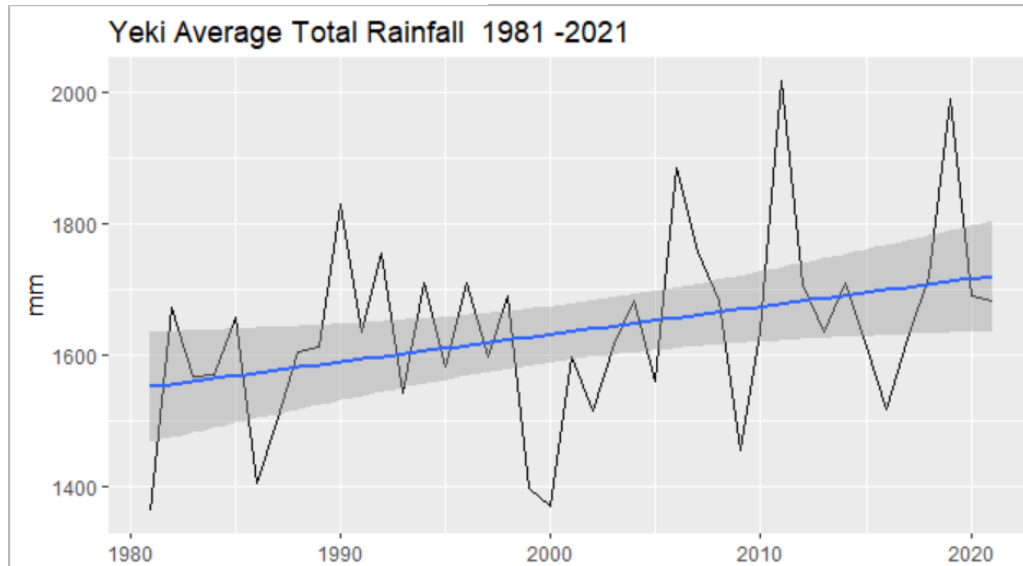
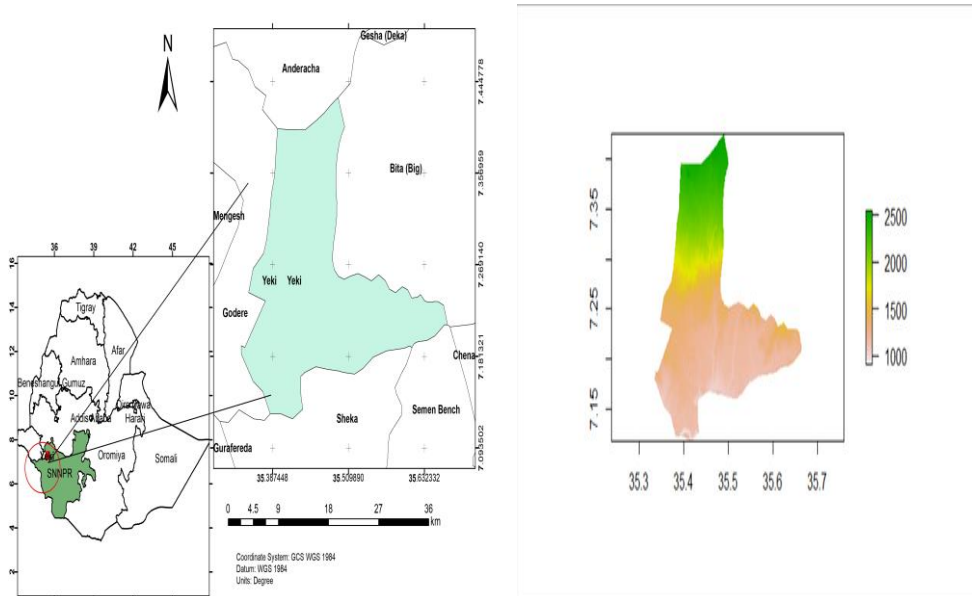
**70+**  
collaborative projects

**60+**  
small grants



***South West Ethiopian Landscape***

# Case study 2 : Teppi



<b>Soil</b>	Nitisols, Vertisols, Leptosols, Regosols, Cambisols, and Acrisols
<b>Crop</b>	Maize, teff, common bean, field pea, sorghum, enset, coffee, ginger, turmeric, avocado, mango and banana
<b>Livestock</b>	Cattle, sheep, goats, poultry, donkey, apiculture Products: Beef, chicken, milk, butter and honey
<b>Forestry</b>	Pouteria adolfi-friederici, Syzygium guineense, Polyscias fulva, Olea welwitschii, Diospyros abyssinica, and Cordia Africana Products: Firewood, timber, medicinal plants, traditional furniture, bamboo and coffee shade
<b>Management</b>	Hoeing, weeding, intercropping/Agroforestry/, crop rotation , participatory forest management, minimum tillage, composting, mulching

## THE FARMING SYSTEM OF THE TEPPI AREA IS CHARACTERIZED BY:

- ❑ Coffee and other tree crops and spices mixed farming ; with
- ❑ Limited food crops ( maize and root and tuber crops), and livestock ( cattle, donkeys, sheep, goats and chickens)
- ❑ Opportunities for off-farm activities for income generation





# Major spices crops grown in the Tepppi area





**I THANK YOU !!!**

